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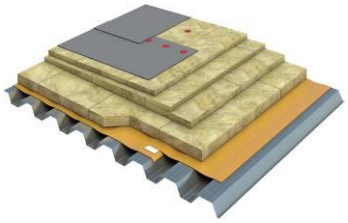
TECHNOROOF N30

MW-EN 13162-T6-DS(70,-)-DS(23,90)-CS(10)30-TR7,5-PL(5)250-WS-WL(P)-MU1RtF:A1

EN 13162:2012+A1
1023-CPR-0282 P
1023-CPR-0223 P

Product description

TECHNOROOF N30 is the nonflammable water-repellent thermal and sound insulation slabs of mineral wool based on basalt rocks.



Area of application

TECHNOROOF N30 slabs are used as thermal and sound insulation in new constructions or reconstructions of industrial and civil buildings and structures. Designed for installation as the bottom insulation layer on flat roofs. A variation with the slope shape is available for the creation of the slope of 1.7 or 4.2% in order to drain water on the roof to funnels. Recommended to be applied in combination with TECHNOROOF V60.

Storage

The slabs must be stored in covered warehouses. The slabs shall be stored in containers or stacked on the pallets or on the supports during the whole period of storage. The height of the stack shall not exceed 3 meters. Shelf life if all storage requirements are met: 12 months from the date of production.

Main characteristics

Essential characteristics	Performance	Harmonized technical specification	
Declared thermal conductivity at 10°C, W/m*K	0.036	EN 12667	EN 13162:2012 + A1:2015
Length, mm	1200, 2400 (±2%)	EN 822	
Width, mm	600, 1200 (±2%)	EN 822	
Thickness (with increments of 10 mm), mm	50-200	EN 823	
Deviation from squareness, mm/m	<5	EN 824	
Deviation from flatness, mm	<6	EN 825	
Compressive stress at 10% deformation, kPa	CS(10)30	EN 826	
Tensile strength perpendicular to faces, kPa	TR7.5	EN 1607	
Point Load, N	PL(5)250	EN 12430	
Dimensional stability, %: -at specified temperature -under specified temperature (23°C) and humidity conditions (90% R.H.)	DS(70,-) <1 DS(23,90) <1	EN 1604	
Reaction to fire, euroclass	A1	EN 13501-1	
Water Absorption during Short / Longterm Immersion kg/m²	WS <1 WL(P) <3	EN 1609 EN 12087	
Water vapor transmission, MU	MU1	EN 12086	

Thermal resistance (EN 12667)

Thickness, mm	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
R_D, m²*K/W	1.35	1.60	1.90	2.15	2.45	2.70	2.95	3.25	3.60	3.85	4.00	4.40	4.70	4.90	5.20	5.45